

## CLAIMS

1. A microbicidal composition comprising:
  - (a) at least one non-halogenated 2-alkyl-4-isothiazolin-3-one selected from substituted and unsubstituted 2-(C<sub>1</sub>-C<sub>4</sub>)alkyl-4-isothiazolin-3-ones; and
  - (b) at least one of 2,2'-dithiobis(N-methylbenzamide) and 2-methylbenzisothiazolone.
2. The composition of claim 1 in which a weight ratio of said at least one non-halogenated 2-alkyl-4-isothiazolin-3-one to said at least one of 2,2'-dithiobis(N-methylbenzamide) and 2-methylbenzisothiazolone is from 750:1 to 1:20.
3. The composition of claim 2 in which said at least one of 2,2'-dithiobis(N-methylbenzamide) and 2-methylbenzisothiazolone is 2,2'-dithiobis(N-methylbenzamide) and said weight ratio is from 375:1 to 1:20.
4. The composition of claim 3 in which said at least one non-halogenated 2-alkyl-4-isothiazolin-3-one is 2-methyl-4-isothiazolin-3-one.
5. The composition of claim 4 in which said weight ratio is from 100:1 to 1:20.
6. The composition of claim 2 in which said at least one of 2,2'-dithiobis(N-methylbenzamide) and 2-methylbenzisothiazolone is 2-methylbenzisothiazolone and said weight ratio is from 750:1 to 1:6.
7. The composition of claim 6 in which said at least one non-halogenated 2-alkyl-4-isothiazolin-3-one is 2-methyl-4-isothiazolin-3-one.
8. The composition of claim 7 in which said weight ratio is from 125:1 to 1:6.

9. A paint composition comprising from 50 ppm to 500 ppm of a synergistic microbicide composition; said synergistic microbicide composition comprising:

(a) 2-methyl-4-isothiazolin-3-one; and

(b) at least one of 2,2'-dithiobis(N-methylbenzamide) and 2-methylbenzisothiazolone;

wherein a weight ratio of 2-methyl-4-isothiazolin-3-one to said at least one of 2,2'-dithiobis(N-methylbenzamide) and 2-methylbenzisothiazolone is from 375:1 to 1:6.